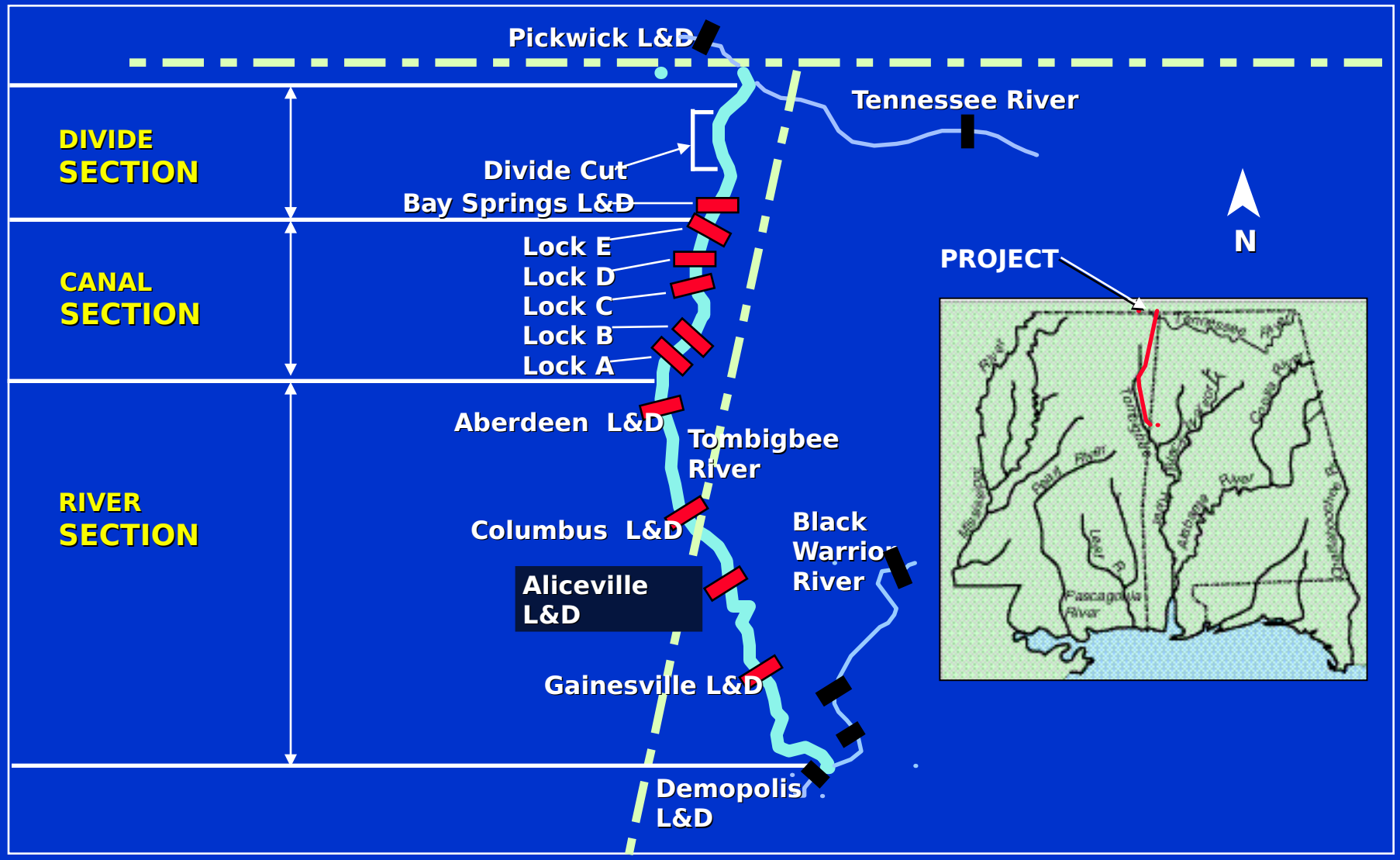
TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT

NAVIGABLE WATERWAYS

TENNESSEE -TOMBIGBEE WATERWAY



Wildlife Mitigation

MAJOR FEATURES OF THE TENNESSEE-TOMBIGBEE WATERWAY THAT RESULTED IN WILDLIFE HABITAT LOSSES

- 234 - Mile Overall Length
- Real Estate Interests Acquired on +110,000 Acre
- 10 Locks and Dams
- 46 - Mile Long Canal Section Levee
- 35 Cutoffs in River Section
- Divide Cut with Maximum Depth of 175 Feet
- Almost 300 Million Cubic Yards Excavated
- Over 14,000 Acres of Disposal Areas
- Over 40,000 Acres of Water Created
- 52 Recreation Areas
- 34,000 Acres of Forested Wetlands Destroyed

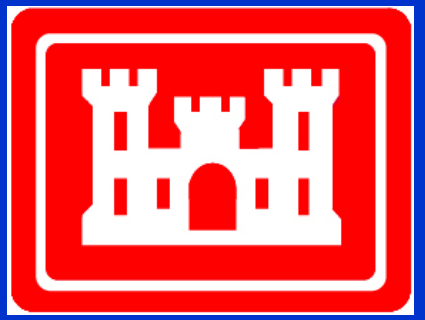
TENNESSEE-TOMBIGBEE WATERWAY WILDLIFE MITIGATION AUTHORIZED PLAN - WRDA 86

- ACQUIRE AND MANAGE 88,000 ACRES OF SEPARABLE LANDS UNDER SPECIFIC PROVISIONS OF WRDA

- INTENSIVE MANAGEMENT OF EXISTING PROJECT LANDS DESIGNATED FOR WILDLIFE MITIGATION
  - 72,500 ACRES - TTW PROJECT
  - 20,100 ACRES - OTHER PROJECTS

- STATES OF MISSISSIPPI AND ALABAMA SHALL BE REIMBURSED FOR MANAGEMENT OF BOTH EXISTING AND SEPARABLE LANDS

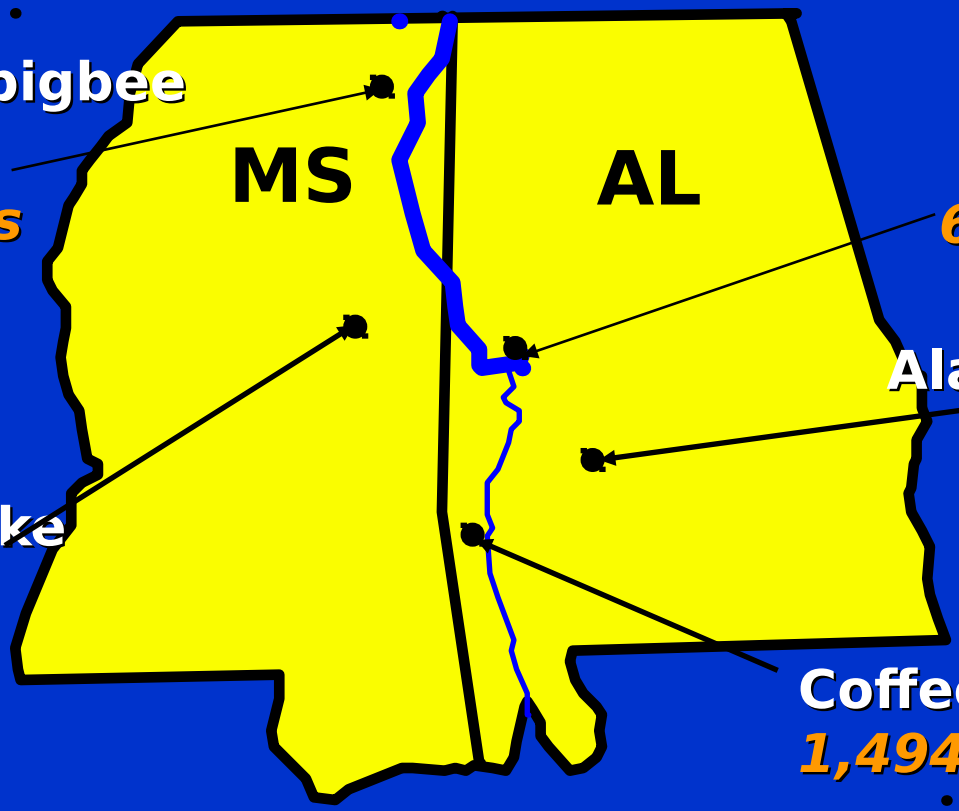
TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT



A COOPERATIVE EFFORT

TENNESSEE - TOMBIGBEE WATERWAY
WILDLIFE MITIGATION AREAS

Existing Corps Lands Designated for Mitigation Manage



Tennessee-Tombigbee Waterway
72,617 Acres

Demopolis
6,470 Acres

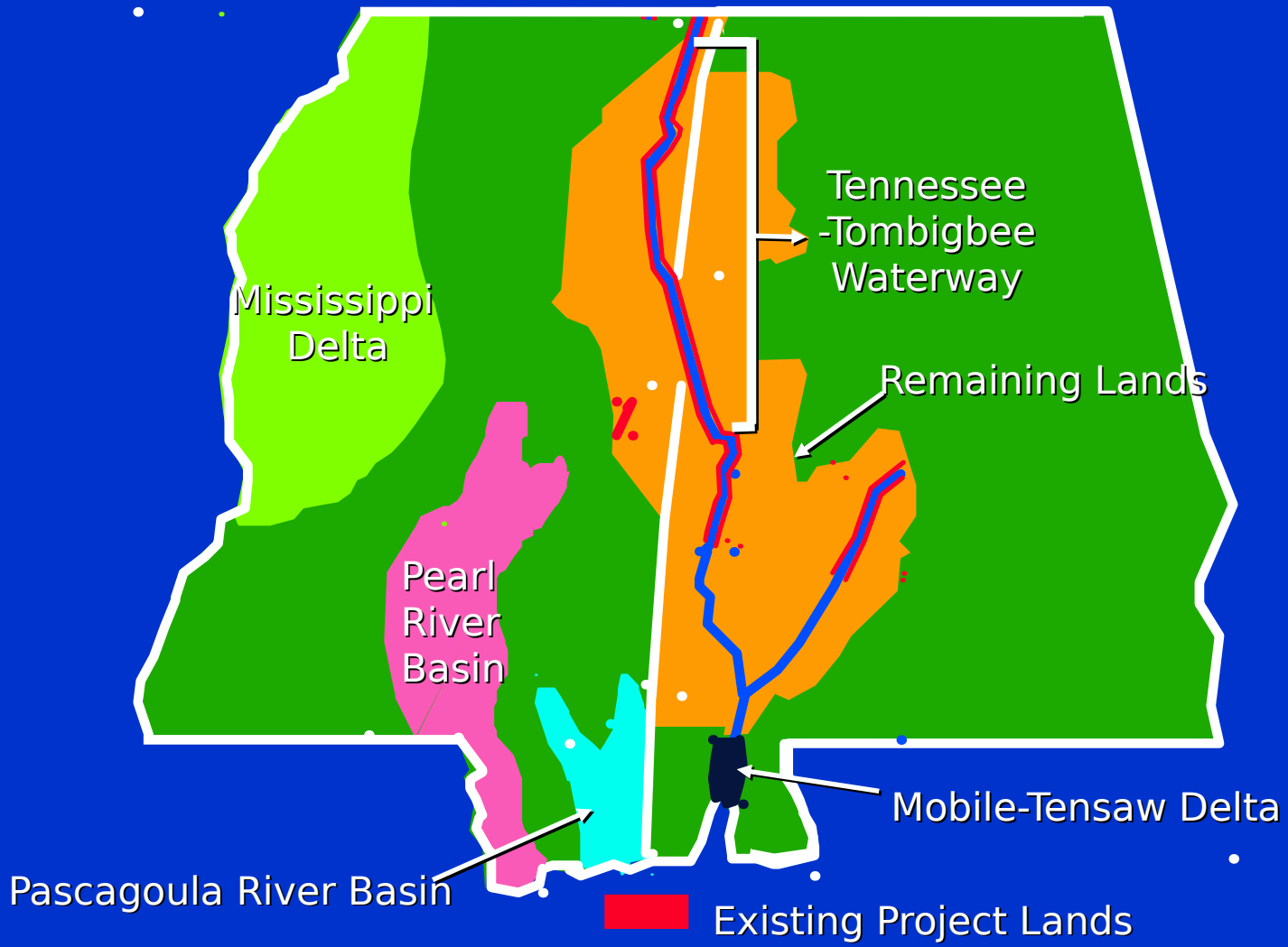
Alabama River Lake
4,270 Acres

Okatibbee Lake
8,235 Acres

Coffeeville Lake
1,494 Acres

TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT

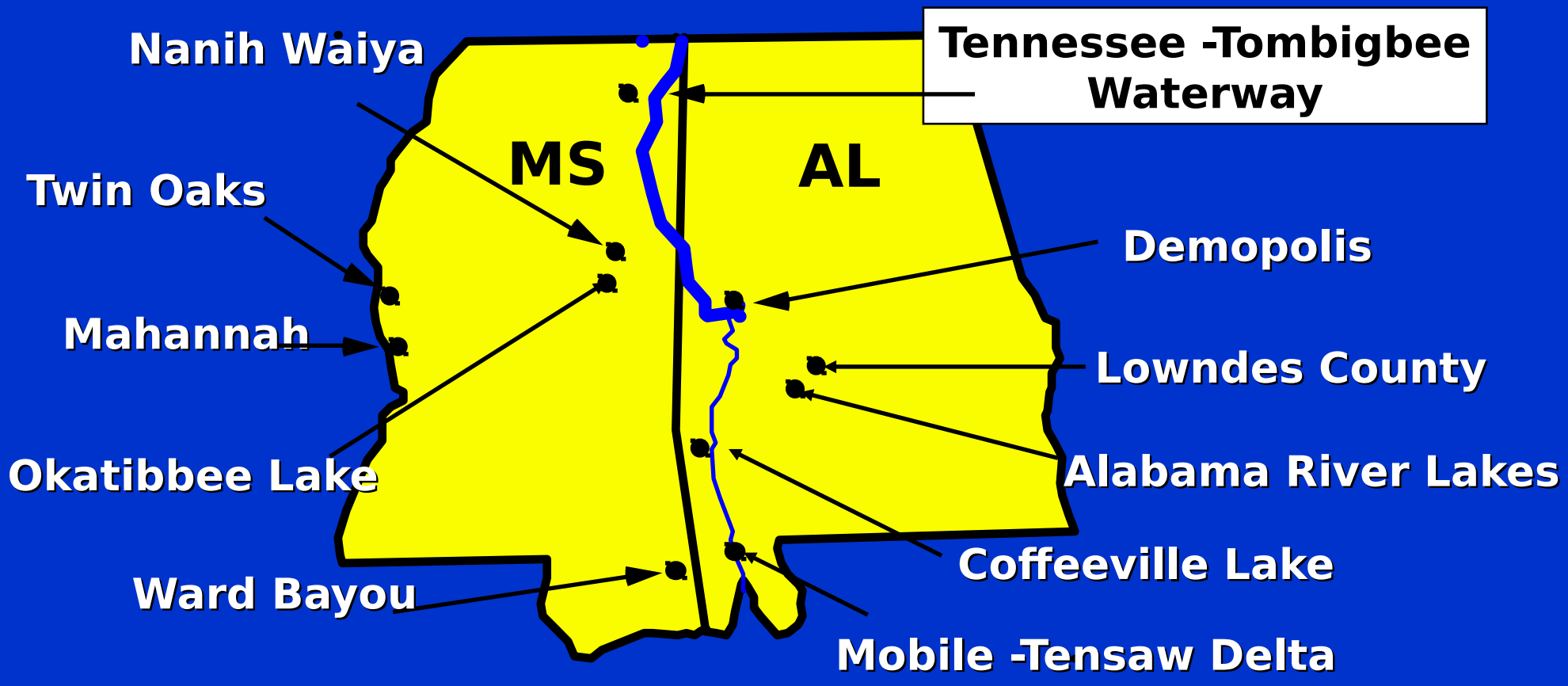
CANDIDATE LAND AREAS



PROJECT SCOPE

- Geographic Regions
- Land Selection - Coordinated Effor
- Specific Habitat Criteria
- Purchase from Willing Sellers Only
- Lands Acquired at Fair Market Valu

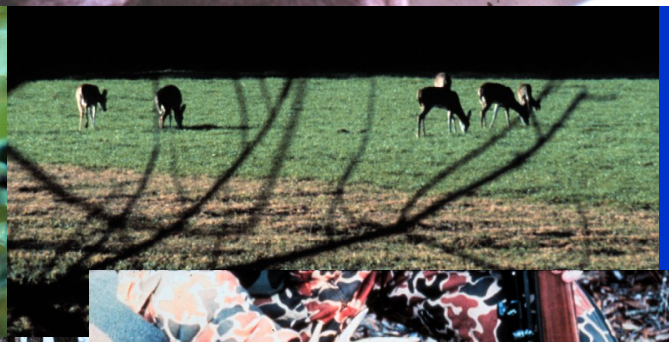
TENNESSEE - TOMBIGBEE WATERWAY
WILDLIFE MITIGATION AREAS



INITIAL DEVELOPMENT MEASURES

- Office/Equipment Storage Compl
- Road Upgrades
- Boundary Survey
- Waterfowl Impoundment
- Habitat Manipulation
- Nesting Structures
- Management Equipment

WATERFOWL AND WADING BIRD MANAGEMENT

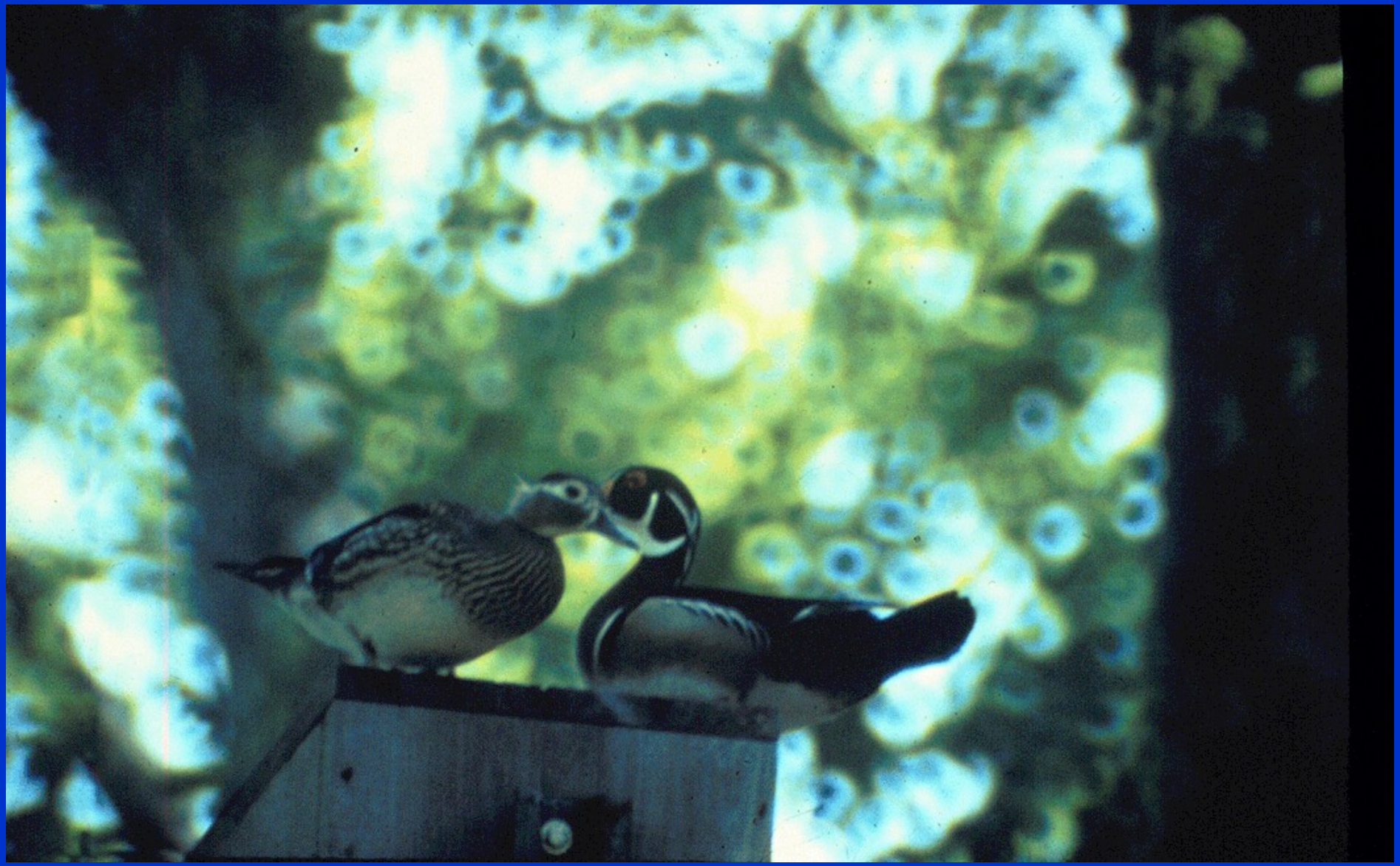


WHITETAILED DEER AND WILD TURKEY MANAGEMENT

BOBWHITE QUAIL AND RABBIT MANAGEMENT

SONGBIRD MANAGEMENT

PLANTED
1996



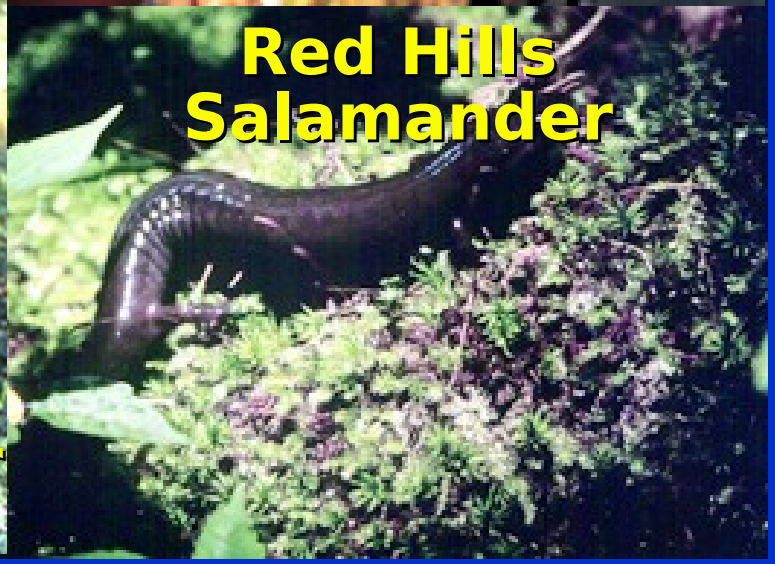
Bald Eagle

Gopher Tortoise

SENSITIVE SPECIES

Yellow Blotched Map Turtle

Louisiana Black Bear



Red Hills Salamander

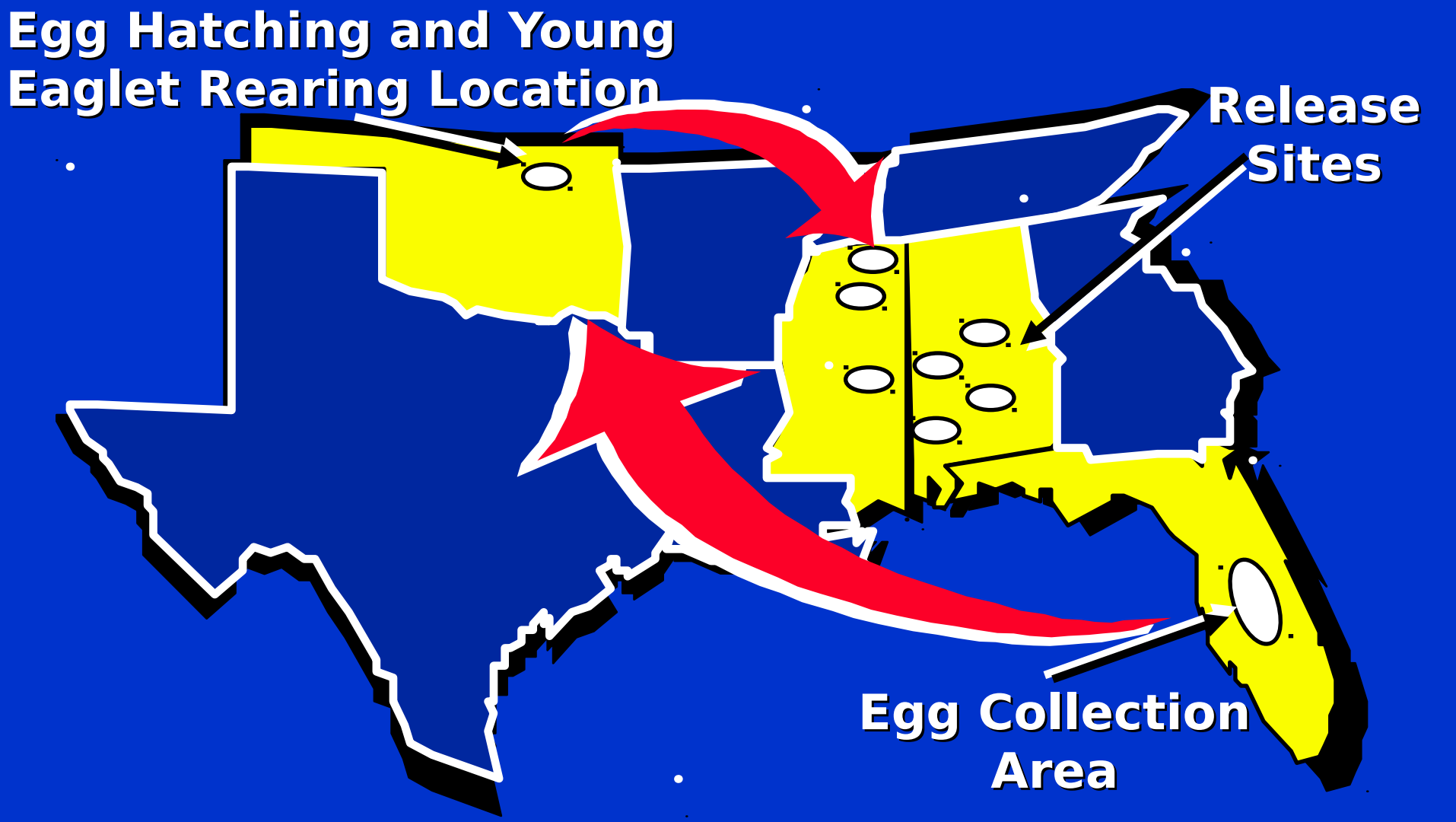
SPECIAL STUDIES AND MANAGEMENT EFFORTS

- Gopher Tortoise Census and Management Recommendations at Ward Bayou WMA
- Alabama Redbelly Turtle Distribution, Abundance and Reproduction Evaluations at Mobile Tensaw Delta WMA
- Yellow-blotched Map Turtle Abundance and Reproduction Evaluations and Habitat Restoration at Ward Bayou WMA
- Ring-sawback Turtle Census and Nesting Determination at Nanih Waiya WMA
- Bald Eagle Hacking Program
- Forest Management Plans for Selected WMAs
- Monitoring Programs
- Louisiana Black Bear Habitat Improvement (Reforestation)
- Black Bear Status in Mobile Tensaw Delta WMA
- Wood Duck Hen and Brood Survival
- Red Hills Salamander Census and Management Recommendations

THREATENED AND ENDANGERED SPECIES

Bald Eagle	(T)	
Red Hills Salamander	(T)	
Alabama Redbelly Turtle	(E)	
Yellow-blotched Map Turtle	(T)	
Gopher Tortoise	(T)	
Ringed-sawback Turtle		(T)
Wood Stork	(E)	
Southern Clubshell Mussel	(E)	
Orange-nacre Mucket Mussel		(T)
Judge Tait’s Mussel	(E)	
Pentitent Mussel	(E)	
Inflated Heelsplitter Mussel	(T)	
Flat Pigtoe Mussel	(E)	
Stirrupshell Mussel	(E)	
Louisiana Black Bear	(T)	

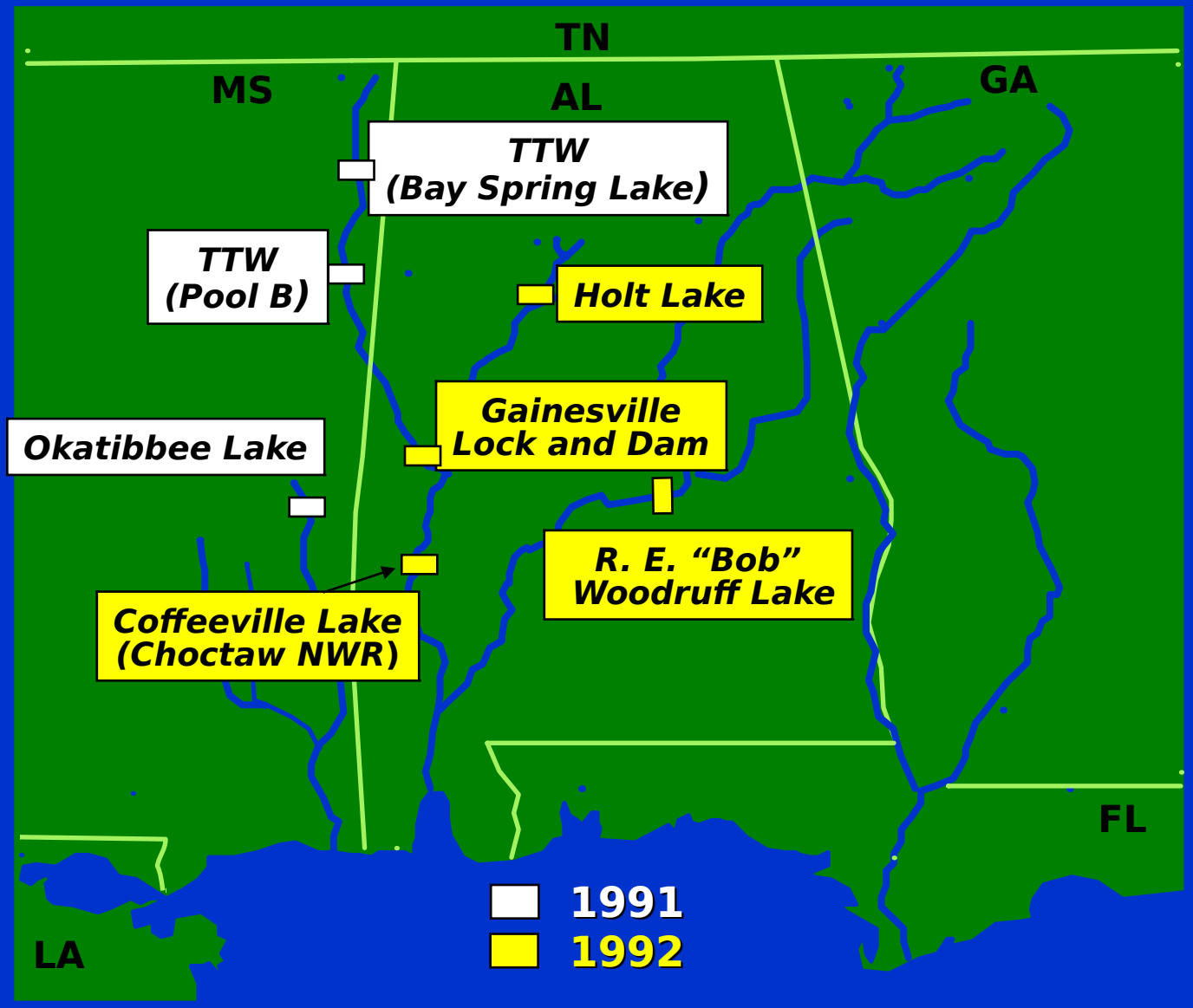
BALD EAGLE RECOVERY PROJECT



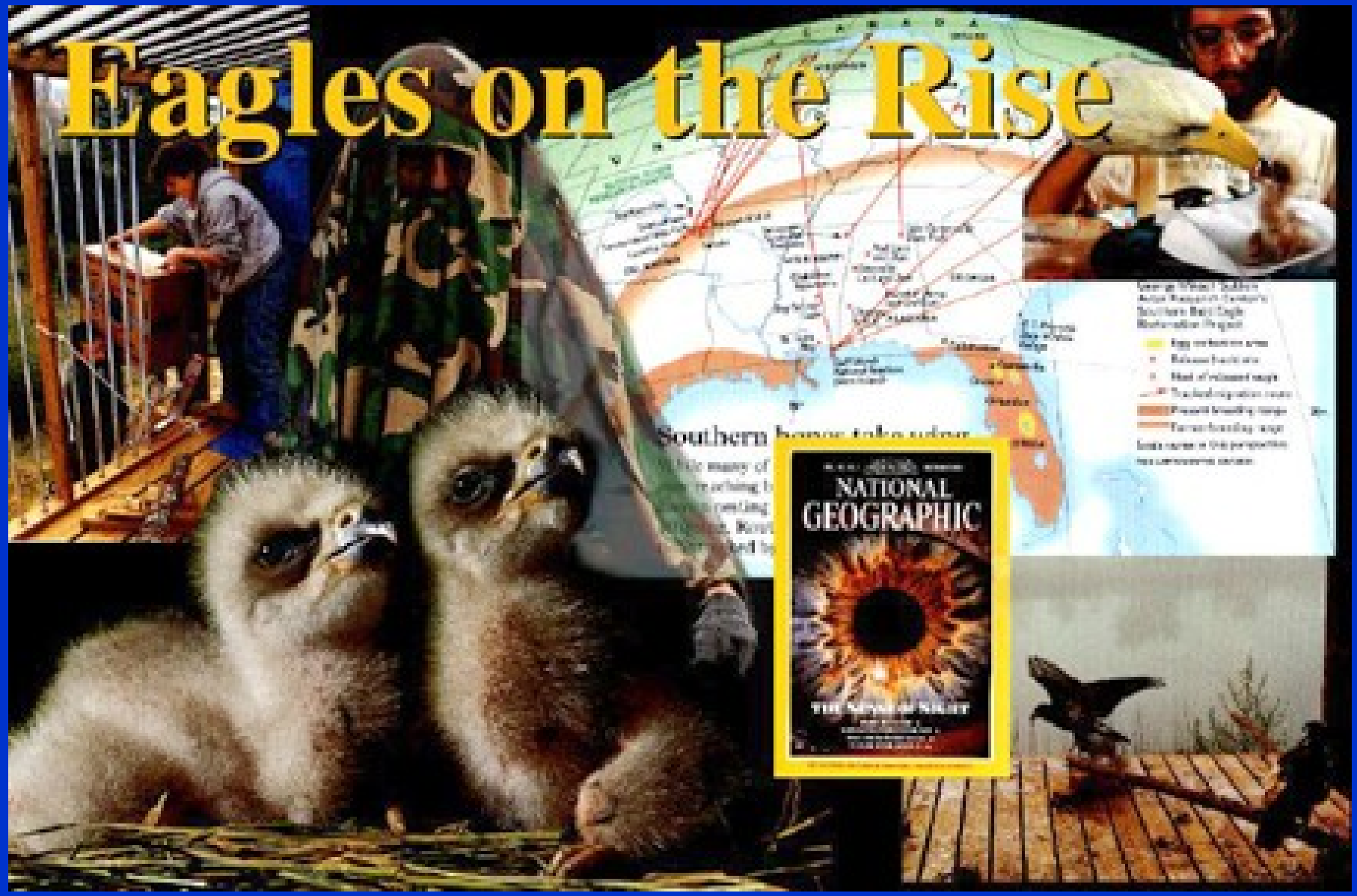
U.S. COAST GUARD

NATIONAL

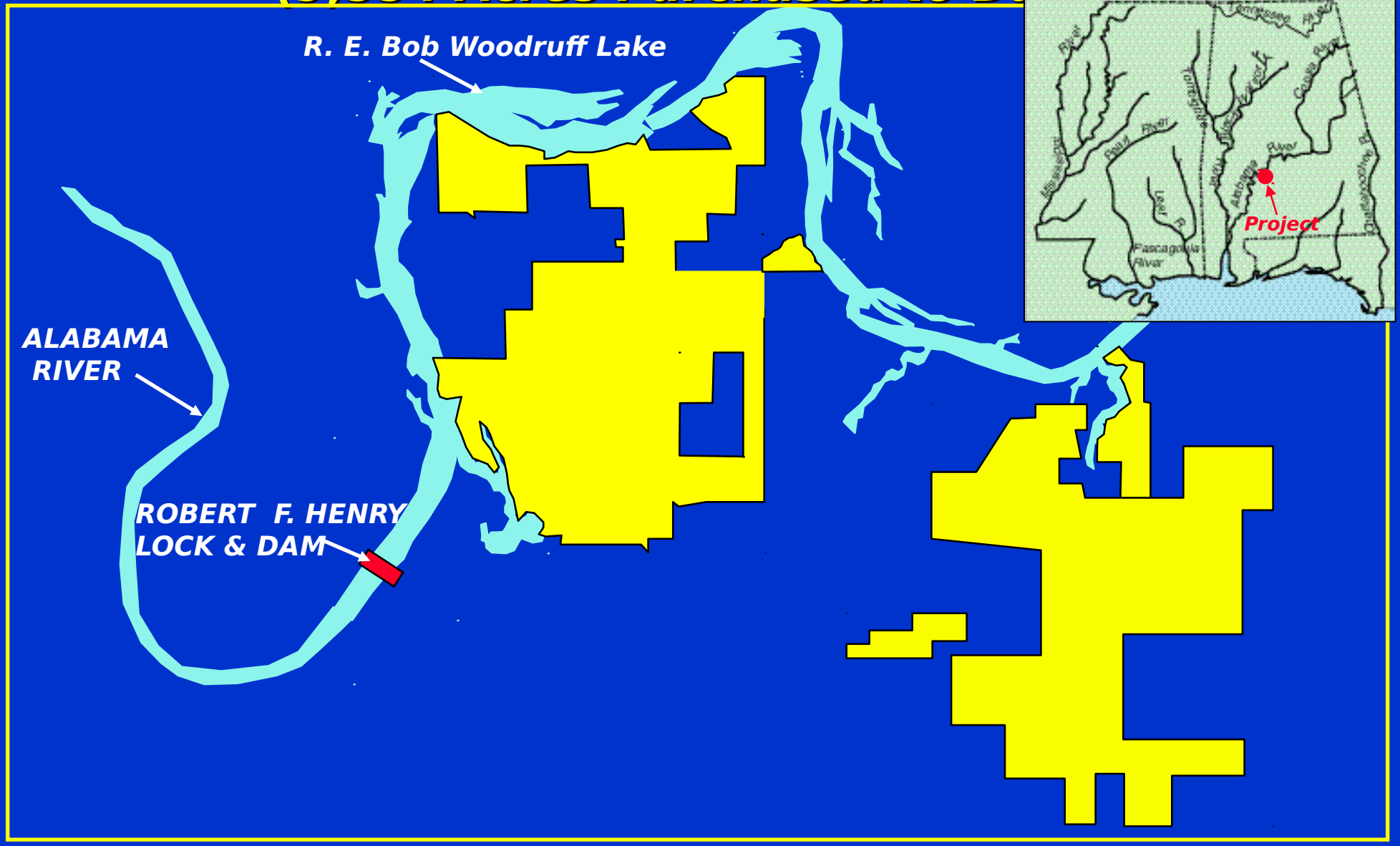
Bald Eagle Restoration Project (1991-199



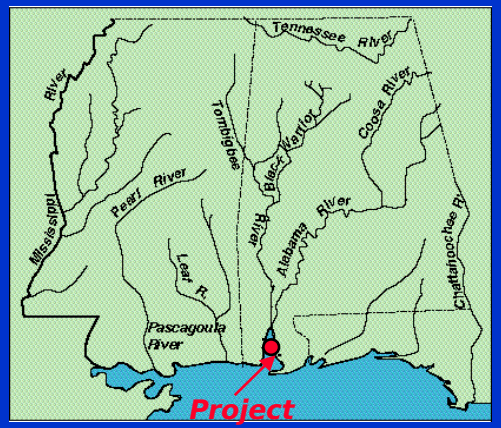
Eagles on the Rise

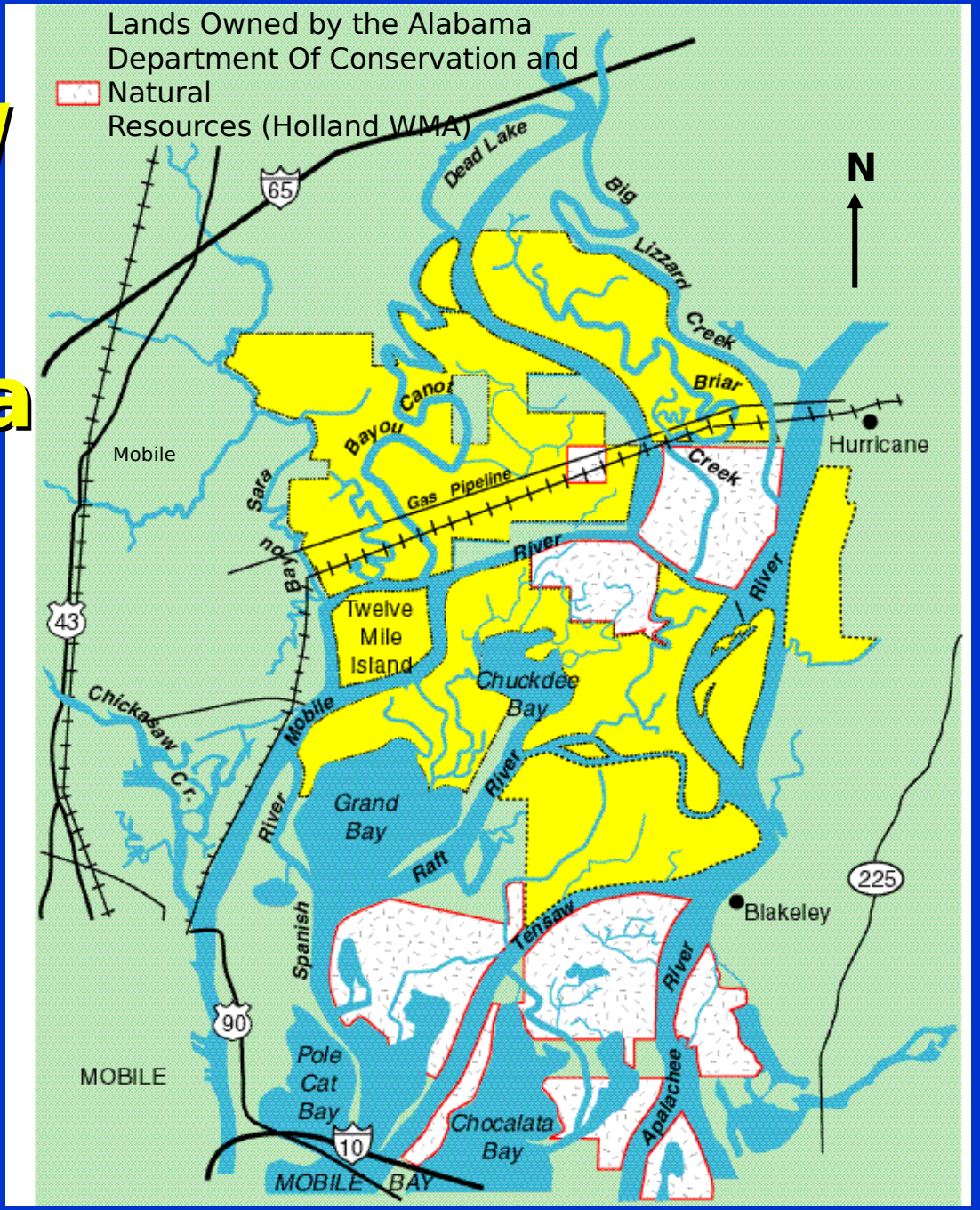


LOWNDES WILDLIFE MANAGEMENT AREA
(9,554 Acres Purchased to Date)

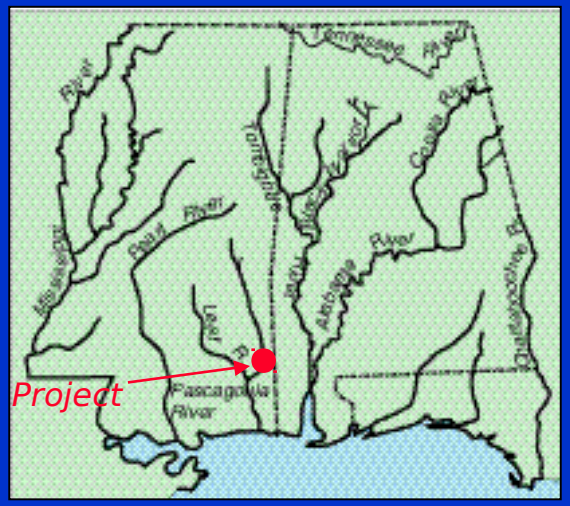


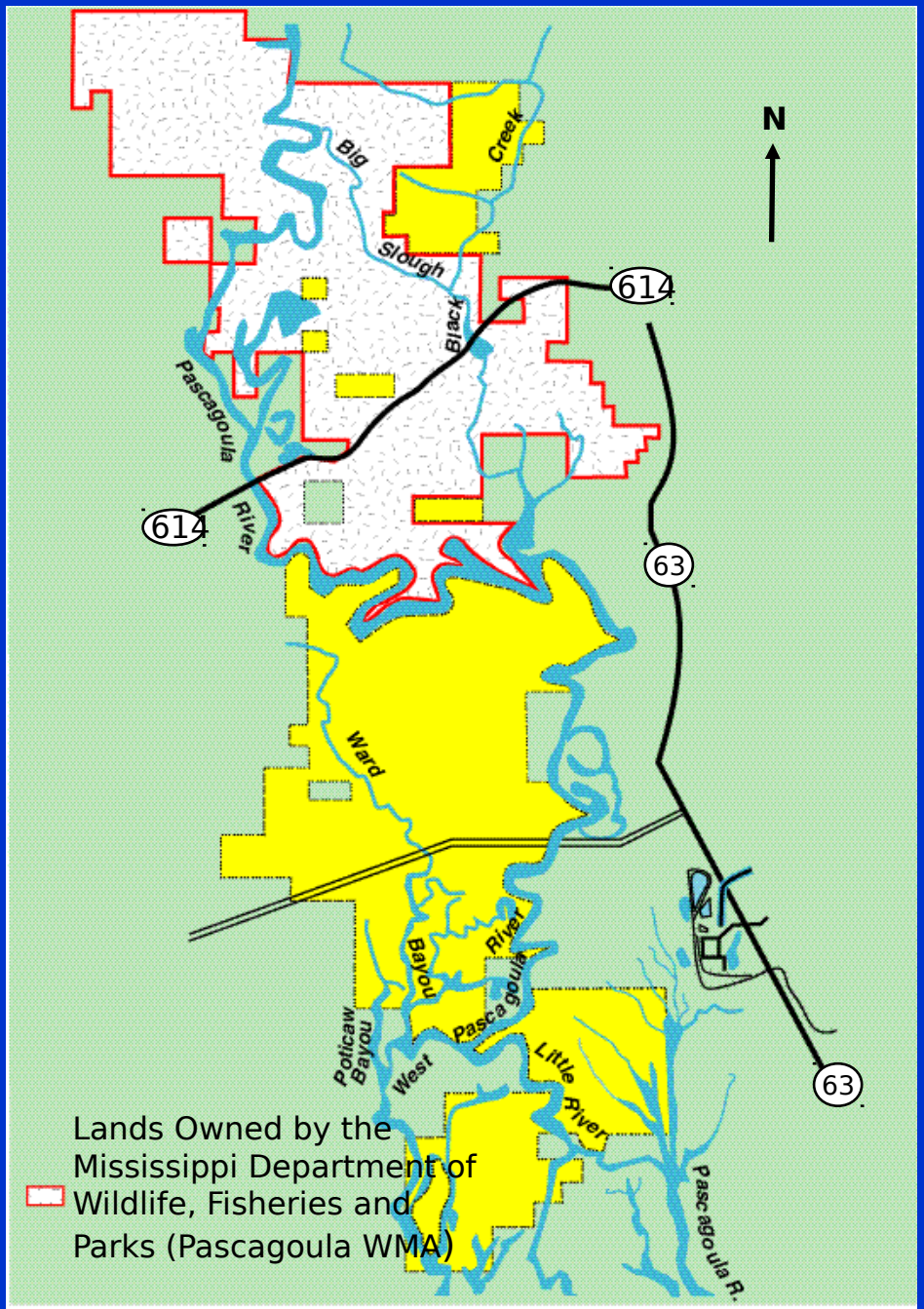
MOBILE - TENSAW DELTA Wildlife Management Area (21,180 Acres)





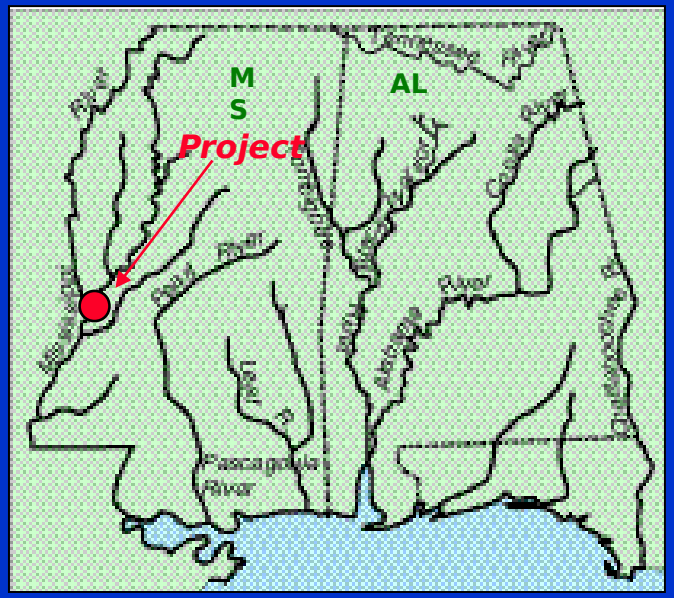
WARD BAYOU Wildlife Management Area (13,433 Acres)

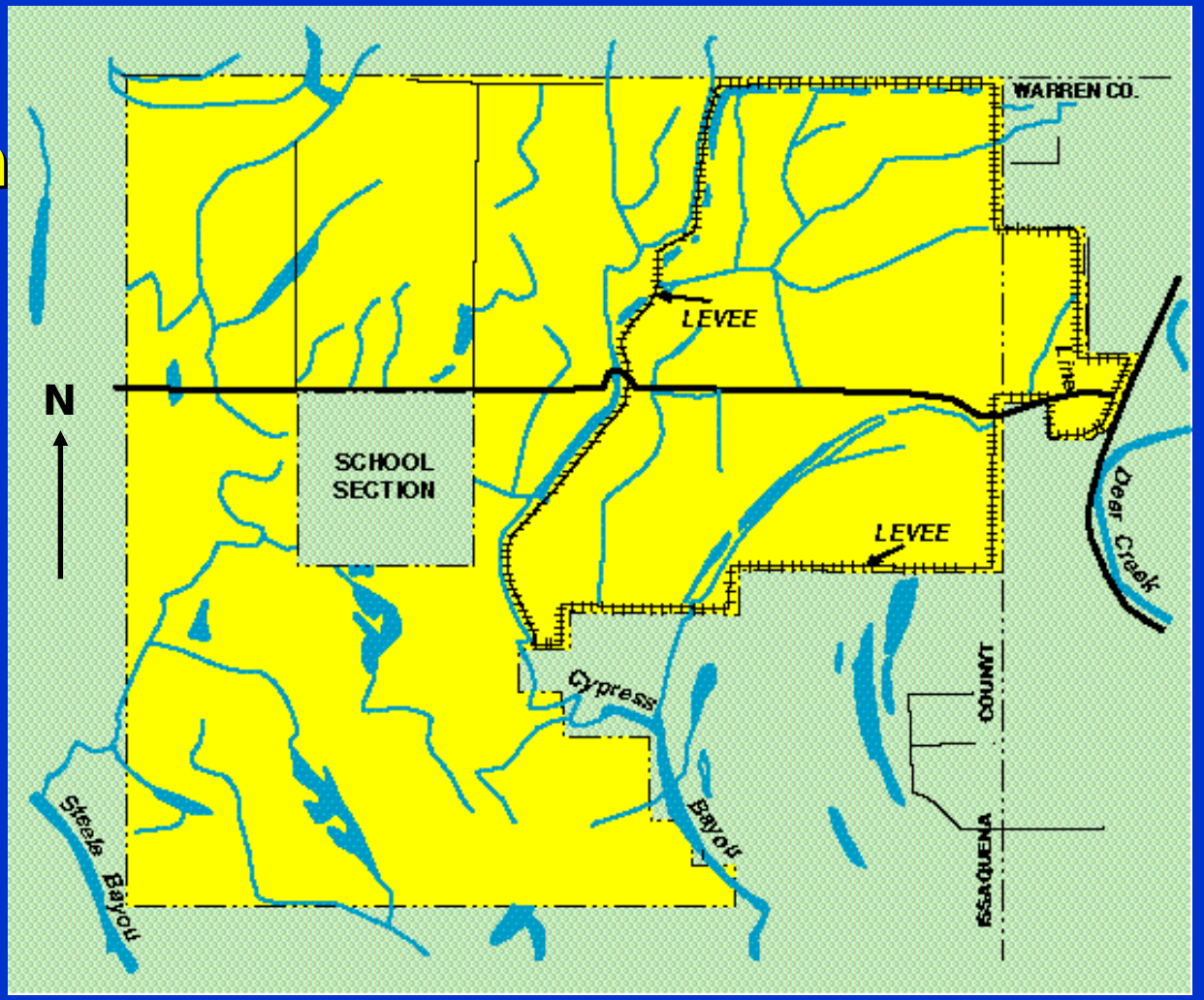




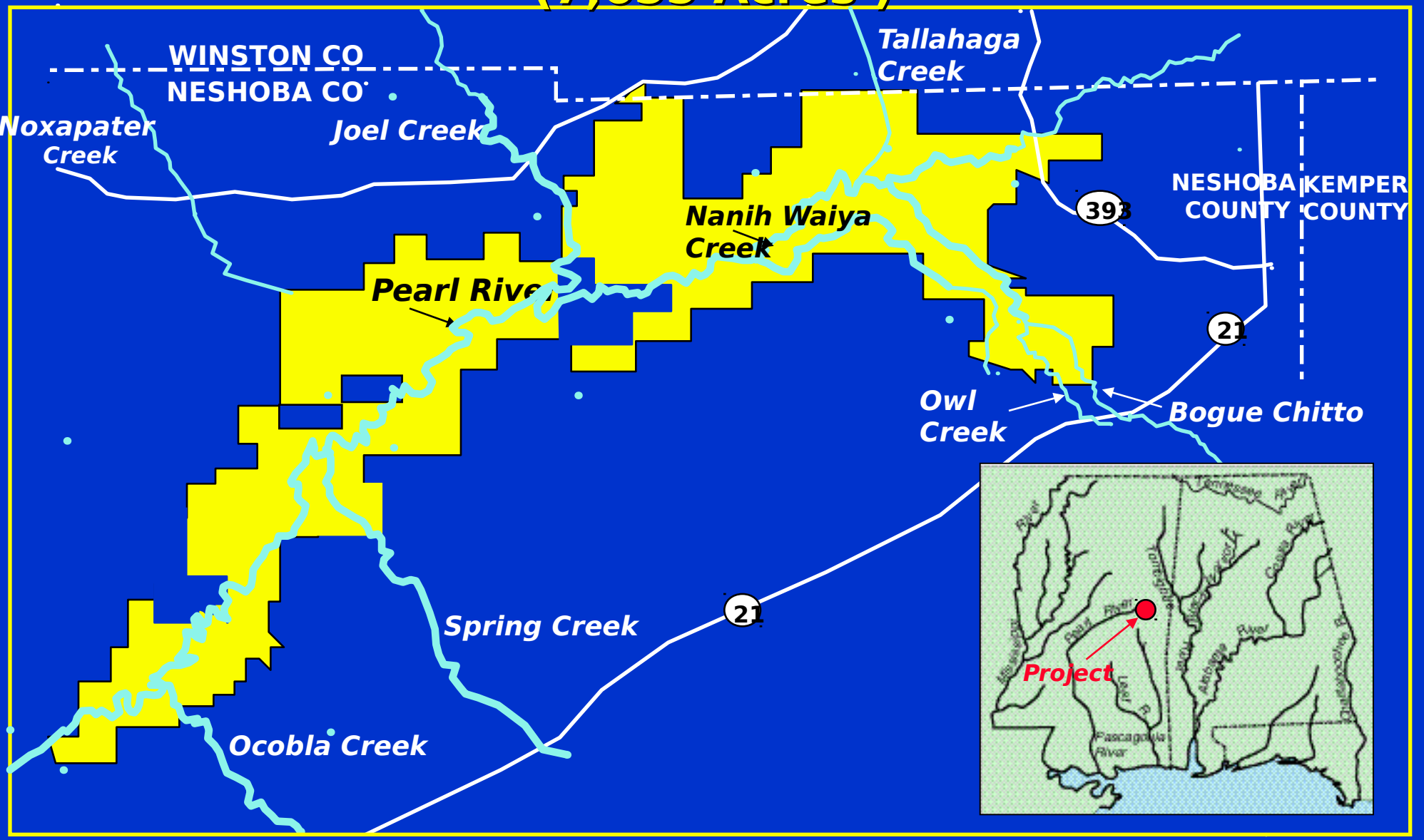
GOPHER TORTOISE SURVEY

MAHANNAH
Wildlife Management Area
(12,695 Acres)



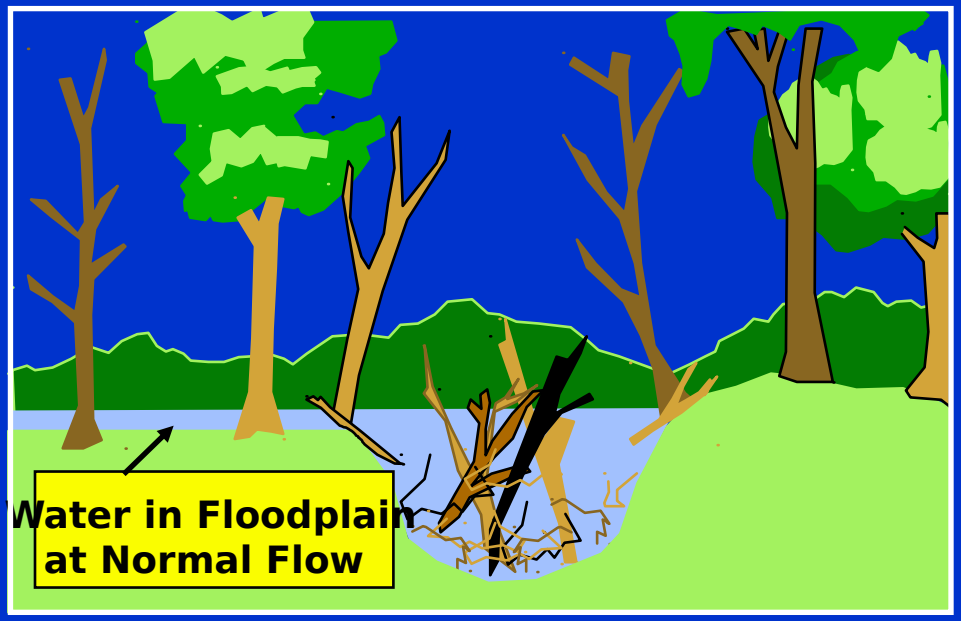


NANIH WAIYA WILDLIFE MANAGEMENT AREA
(7,655 Acres)

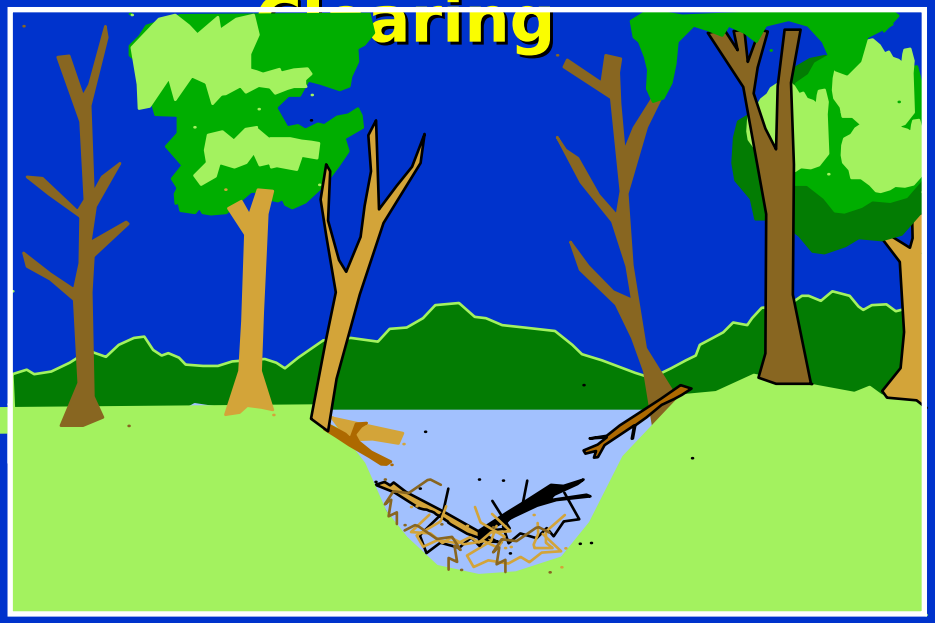


STREAM CONDITIONS

Existing Condition



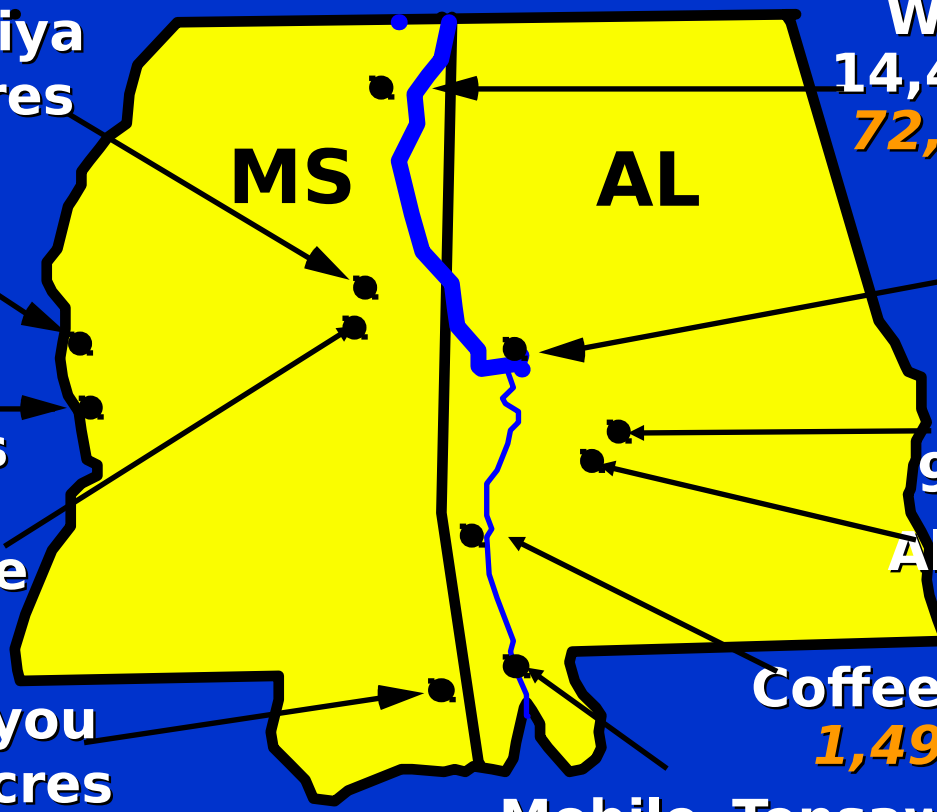
After Clearing



FORESTED WETLANDS PURCHASED TO DATE

	TOTAL		FORESTED WETLANDS		OTHER	
Ward Bayou	13,433	ac	12,713	a	720	ac
Mahannah	12,695		10,095	c	2,600	
Twin Oaks	5,847		5,847		0	
Nanih Waiya	7,655		7,542		113	
Northeast Mississippi	14,405		13,178		1,227	
Demopolis	2,460		2,460		0	
Lowndes	9,554		7,720		2,234	
Mobile-Tensaw Delta	21,180		20,672		508	
	87,629		*80,227*		*7,402*	
			92%		*8%*	

TENNESSEE - TOMBIGBEE WATERWAY
WILDLIFE MITIGATION AREAS



Nanih Waiya
7,655 Acres

Twin Oaks
5,847 Acres

Mahannah
12,695 Acres

Okatibbee Lake
8,235 Acres

Ward Bayou
13,433 Acres

Tennessee -Tombigbee
Waterway
14,405 Acres
72,617 Acres

Demopolis
2,460 Acres
6,470 Acres

Lowndes
9,954 Acres

Alabama River Lakes
4,270 Acres

Coffeeville Lake
1,494 Acres

Mobile -Tensaw Delta
21,180 Acres

Newly Acquired Lands
Existing Corps Lands Designated for Mitigation Management

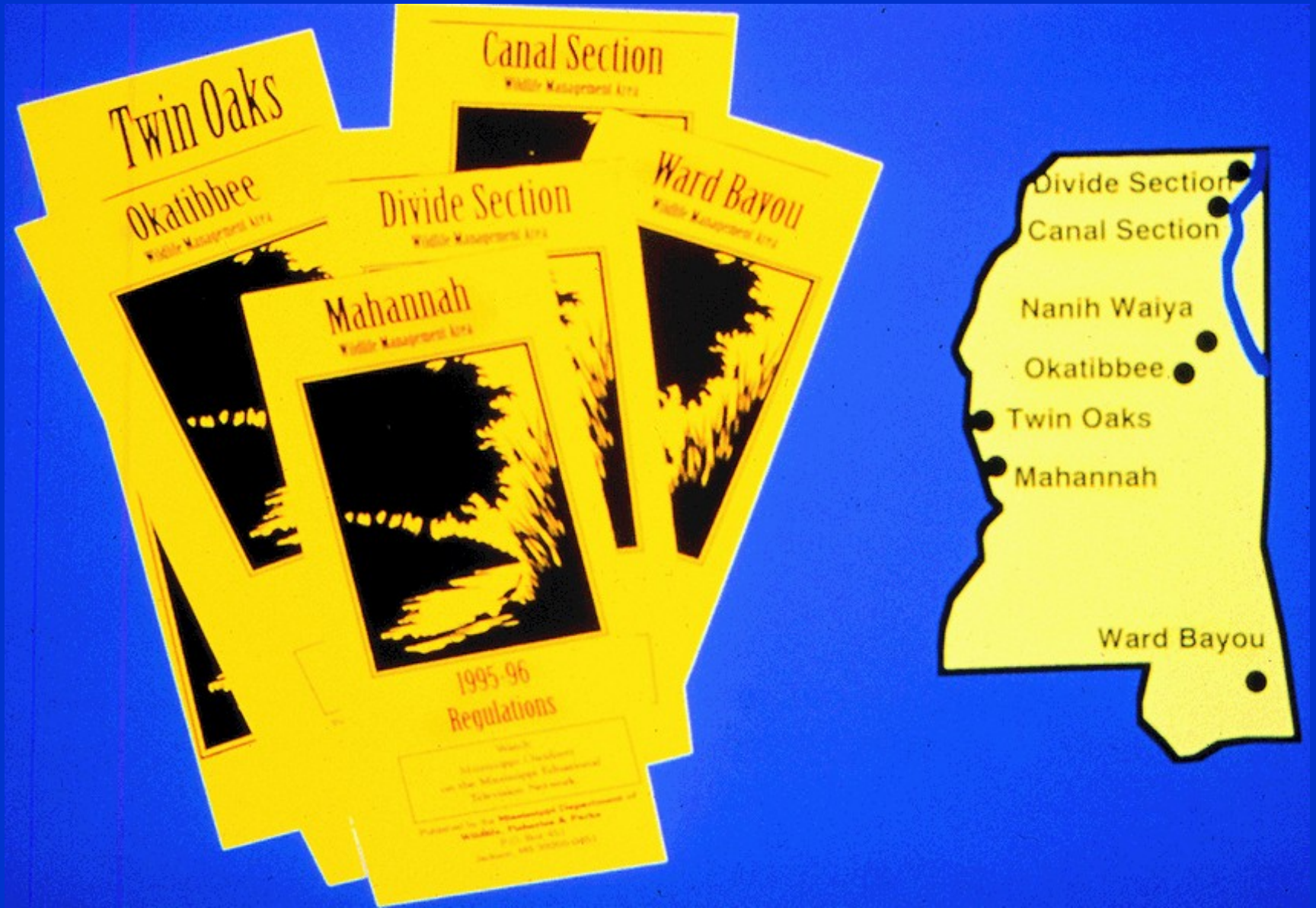
TENNESSEE-TOMBIGBEE WATERWAY WILDLIFE MITIGATION PROJECT SUMMARY OF STATE MANAGED LANDS

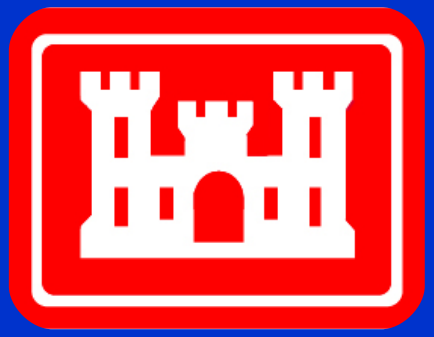
	Under State Management to Date			
MISSISSIPPI	Existing Project Lands	Separable Mitigation Lands	Total	Remaining Lands Targeted for Acquisition
N.E. MS (Divide & Canal Section WMAs)	26,414	14,405	40,819	0
Okatibbee WMA		-		0
Ward Bayou WMA	6,883	13,433	6,883	0
Mahannah WMA	-		13,433	0
Twin Oaks WMA	-	12,695		0
Nanih Waiya WMA	-	5,847	12,695	0
State	-	7,655	5,847	0
Total	33,297		7,655	
		54,035	87,332	
ALABAMA				65
				0
Demopolis WMA				306
Mobile - Tensaw Delta WMA	3,816	2,460	6,276	371
Lowndes WMA	-		21,180	
State	-	21,180	9,954	371
Total			37,410	
	3,816	9,954		

SELECTED MANAGEMENT FACTS

- Mitigation Lands Managed to Date
  - State - 124,742 acres
  - Corps - 55,487 acres
- Reforestation Through July 2000
  - +15,000 acres
  - +4,500,000 Hardwood Seedlings
- Waterfowl Impoundments
  - 32 Impoundments
  - 3,100 acres
- +100 Miles of Road Improvements
- 6 New Management Facilities
- 3 Management Facilities Upgraded
- +3,000 Wood Duck Nest Boxes
- 35-Mile Bluebird Nest Trail Along Canal Section Levee
- Neotropical Songbird Monitoring Program
- Annual Bald Eagle Monitoring Program
- Quality Management Hunt Program at Mahannah, Twin Oaks WMAs
- +100,000 Migratory Waterfowl Overwinter on all Mitigation Areas
- 25 State Employees Funded
- All Management Equipment Funded by Corps

TENNESSEE - TOMBIGBEE WATERWAY PROJECT
Mississippi Mitigation Areas





US Army Corps of Engineers

Mobile District

“The Team Spirit District”